



ards of the Carnegie Institute of
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(James H. Seibert)



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A Record of
Continuous News Service
For 47 Years

The Tech

m.i.t. Established 1881

Official
Undergraduate News Organ
of M. I. T.

Vol. XLVIII—No. 57

CAMBRIDGE, MASS., FRIDAY, OCTOBER, 19, 1928

Price Five Cents

DORMITORIES HOLD ANNUAL SMOKER IN CAMBRIDGE HALL

"Flo" Nickerson, Williams and
Ward, McCabe Sisters
Present Acts

HAMILTON IS CHEERED

Food is Served in Intermission;
Freshmen Have to Stay
and Clean Up

Fully 250 men from the Techno-
logy dormitories attended the annual
dormitory smoker which was held in
Odd Fellows Hall, 536 Massachusetts
Avenue, last Wednesday evening at
7 o'clock.

By 7 o'clock, the hall was almost
full, and by 7:30, when the festivities
actually began there was standing
room only. The orchestra led by
Arnold S. Ackiss '30, started the pro-
gram by playing a few popular num-
bers, Albert L. Eigenbrot '29 then
led the audience in a number of
cheers, and in the singing of "Take
Me Back to Tech." He introduced
William J. Wiley '29, chairman of the
Dormitory Committee, who made a
short speech of introduction.

Joe Williams and Millie Ward gave
a selection of comedy songs and
sketches. The second act was a
series of songs by Annette Luvick.
The McCabe Sisters gave a song and
dance act. "Flo" Nickerson of the
Lido-Venice Club entertained with
more songs and witticisms. Just after
this, Professor Hamilton, chairman of
the Dormitory Board, entered the hall
and was greeted with a "We are
Happy." He addressed the audience
on the care of the dormitories.

Refreshments in the form of ham
and cheese sandwiches, doughnuts,
and cider were served upstairs dur-
ing the intermission. Afterward, the
performers put on more acts. A
raffle of thirteen articles was held
after which the dorm men concluded
the evening with the "Stein Song."
The freshmen remained (under com-
pulsion) to clean up the hall.

LIBERAL CLUB HEARS NOTED NEWSPAPERMAN

Modern Journalism Described
to Student Members

Gardner Jackson, former editor of
the "Boston Globe" and at one time
one of the editors of "The Lantern,"
an Anti-Fascistic Monthly Magazine,
was the principal speaker at the
meeting of the Liberal Club, held
yesterday afternoon in the Emma
Rogers Room. Speaking on the sub-
ject of "The Metropolitan Press, Mr.
Jackson described the methods with
which the news is picked for the
public.

Although he is not actively as-
sociated with newspaper work at the
present time, Mr. Jackson is acting
as a free lance journalist. During
the past few years he has written
many articles dealing with newspaper
work and journalism.

With the meeting yesterday, the
Liberal Club started out its program
of having a special speaker at every
meeting. The next gathering will be
held on Thursday afternoon, at which
time another prominent speaker will
be present to address the students.

TECHNIQUE ELECTS NEW GARGO MEMBERS

Elections to the Technique hono-
rary society, Gargo, have just been
announced. The new members of the
society are: Charles W. Lyle, '29,
Biagio C. D'Antoni, '30, Parker H.
Starrett, '30, George F. Temple, '30,
and George F. Wyman, '30.

The purpose of this society is to
give a reward for services on the
year book to those that deserve it
and provide an opportunity for social
gatherings. The initiation banquet
will be held on November 1.

WE CONGRATULATE THE PRESIDENT

Dr. Samuel W. Stratton, President of M.I.T., was the
recipient Wednesday afternoon of the rank of Officer in the
Legion of Honor, one of the highest recognitions of service
to civilization that the world can bestow.

In the name of the Republic of France, Mr. J. C. Joseph
Flammand, French Consul at Boston, awarded this distinc-
tion to the President before a meeting of the Technology
Faculty. It comes as a promotion from Chevalier, which title
was conferred upon Dr. Stratton in 1909. Mr. Flammand
stated that the honor was given because of the President's
great services to science and mankind, especially in his work
as founder and first director of the United States Bureau of
Standards. Too great credit cannot be given him, for under
his efforts the Bureau grew from practically an unknown
quantity to one of the world's most famous scientific insti-
tutions.

Now the most recent Officer in the Legion, President
Stratton holds high rank in a body of which the Emperor
Napoleon was founder and first Grand Master. It was first
created as a reward for exploits in the civil and military de-
partments of France, and later was extended to include recog-
nition of unusual service throughout the world.

Often does honor come upon M.I.T. through the reputa-
tions of those who have labored within its walls. Yet nothing
could be more fitting than that this latest distinction should
be given to him who bears the responsibility of developing in
the undergraduates that strength of mind and character
which will lead to further reputation for service in years to
come. President Stratton has our most hearty congratula-
tions.

Forty Candidates Try Out for New Dramashop Play

Preparations Being Made Rapidly
for the Presentation of
"The Show Off"

Forty candidates turned out at
Wednesday's meeting of the Drama-
shop, held for those interested in
securing positions with this organiza-
tion. Of this number thirty were in-
terested in roles in the new play,
and ten wished positions as stage or
business managers.

The General Manager first out-
lined the form and purpose of the
organization, and acquainted the new
men with all phases of the Drama-
shop. Following this the Stage Man-
ager detailed the arrangements which
have been made for the production
of this year's plays.

The next speaker of the evening
was Prof. Fuller, who told the candi-
dates what he expected from members
of the organization, and what re-
quirements he deemed necessary for
actors. He also helped to familiarize
the candidates with the duties of
dramatic work.

Several older members of the
organization gave sample try-outs, to
show the new men the form of trial
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then practiced the roles to acquaint
themselves with the procedure.

In accordance with the new policy
of the club, no official tryouts were
held at the general meeting. Ap-
pointments were made for individual
trials during this week. It is thought
that this method will enable the
candidates to make better showings,
and enable them to be more ac-
curately judged since the embarras-
ment of speaking before a large group
of people will be done away with.

QUADRANGLE CLUB TO HOLD FIRST MEETING

The Quadrangle Club has an-
nounced that it will hold its first
meeting of the year sometime this
week. The present plans of the club
are to get the classes organized in
preparation for Field Day.

As freshmen are not taken in until
the middle of the year, the club is
at present composed entirely of
Sophomores. It is the only Techno-
logy club to which freshmen are
admitted as members.

Last year, the first year of the
club's existence, the social functions
included a Prep Night and a social
meeting for all members of the fresh-
man class who had previously at-
tended prep schools. It has not yet
been decided whether this is to be re-
peated this year, but an announce-
ment will be made following the first
meeting.

POLICE INSPECTION JAMS BRIDGE TRAFFIC "Save-a-Life" Campaign Fatal to Prompt Attendance

Cambridge Traffic Department's
activity in the state-wide "Save-a-
Life" campaign resulted in much ir-
regularity in the attendance of Thurs-
day's morning classes. Lectures and
recitations were invaded at unseemly
intervals by individuals who appeared
to regard their lateness as a matter
of fate, ordained and unavoidable.

Traffic was tied up on Harvard
Bridge for half hour intervals during
the morning as officers stopped every
car for examination of registration
certificates and driver's license. All
were inconvenienced by the delay,
saints among sinners, but the sinners
will be further inconvenienced to the
extent of appearing in court.

The officers called attention to the
regulation that all persons without
driver's licenses were subject to im-
mediate arrest. Those without regis-
tration certificate: must appear in
court. Alibis are of no use whatever.

The "Save-a-Life" campaign started
on October 15 and will continue until
November 30. All civic organizations
are strongly supporting the crusade
and are asking the co-operation of
every driver. This means official in-
spection of brakes, steering apparat-
us, rear-view mirrors, wind-shield
wipers, horns and lights, and the cor-
rect and complete registration of
every car.

JUNIOR PROM ELECTION WILL BE HELD WEDNESDAY---28 NOMINATED

The following men have been nominated for membership
in the Junior Prom Committee:

Edmund G. Blake
Joseph W. Devorss
Frank Fahnestock
Carl J. Franz
Howard S. Gardner
John M. Hanley
Edgar M. Hawkins, Jr.
James B. Holden
D. Tullis Houston
Bryant F. Kenney
Edwin M. Kingsley
Charles C. Ladd
Frederick A. Ladd, Jr.
Thomas A. MacLaren

Morrell Marean
Warren H. Martell
Sanford A. Moss, Jr.
Robert Phelan
Horace B. Preble
Joseph E. Rehler
Philip J. Riley
Howard A. Robinson
Otis A. Sibley
Gregory Smith
Wallace B. Tibbets, Jr.
Philip Torchio, Jr.
David Q. Wells
Otto Zeigler

Elections to the Junior Prom Committee will be held in
the Main Lobby next Wednesday from 9 to 5 o'clock. Five
men will be elected from the above and the sixth member of
the committee will be the President of the Junior Class.

"OPPORTUNITIES FOR MEN FAR GREATER NOW THAN IN 1898"---R. W. BABSON

Noted Engineer
To be Speaker at
A.I.E.E. Meeting

Dinner Will be Held in Walker
Memorial Tonight at Six—
All Are Invited

Some four hundred guests of the
Student Branch of the American In-
stitute of Electrical Engineers will
hold their first dinner meeting of
the season at six o'clock this evening
in Walker. Both the Faculty Dining
Room and North Hall will be used
to accommodate this group.

Admission to the dinner and meet-
ing will be by ticket as announced
in a previous notice, the tickets being
free to any who are interested in the
Institute's branch of engineering. The
speaker of the evening is to be Mr.
R. E. Doherty who is a consulting
engineer for the General Electric
Company and the topic which he is
to discuss will be on the nature of
work and the type of job that a
graduate of this school can expect
if he goes in to engineering work
and particularly in the electrical field.
The talk will be given in the main
dining hall immediately after the
dinner and will be accompanied by
movies.

As has been the custom in previous
seasons the student Branch will ar-
range their meetings in such a way
that they will close promptly at eight
o'clock and thus will not interfere
with any other plans for the evening.

PROFESSOR W. T. HALL ADDRESSES MENORAH

Professor William T. Hall '95 was
the speaker at the first term meet-
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in North Hall Walker Wednesday
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had advertised, he succeeded in keep-
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laughter at his sallies.

Drawing on his memory of the past,
Prof. Hall related incidents and told
of personalities connected with the
Technology of the gay Nineties, in-
cluding the famous "Chapel," where
all special occasions were celebrated.
He also told of some of his experien-
ces when he went to Germany to
study at the University of Göttingen
after he was graduated from the Tech
on Boylston Street.

NOTED STATISTICS
EXPERT TALKS TO
M.I.T. STUDENTS

Predicts Heating of Dwellings
by Electricity at High
Frequencies

HELICOPTER IS NEEDED

Roger W. Babson '98, the world-
famous statistician, spoke at the
Faculty Club luncheon at 12 o'clock
and to the students assembled in
Room 10-250 at 4 o'clock on "Forty-
nine Ways to Make a Million." Mr.
Babson spoke under the auspices of
the Technology Christian Associa-
tion.

In his afternoon address Mr. Bab-
son stressed the Christian aspect of
education, saying that education is
only a tool to be used according to
the ideals and motives of the indi-
vidual—according to the religion of the
individual. With this conception of
education in mind, he praised the new
course in Humanities and the work of
the T. C. A.

With his introduction, Mr. Babson
said that his speech might better be
entitled "Opportunities for Young
Men". In answer to the often-asked
question as to whether there were less
opportunity today than at the begin-
ning of the century, he said, "Opportu-
nities for young men are far greater
now than when I graduated in
1898. Whether a person succeed or
(Continued on Page four)

PLAN SMOKER FOR TECH SHOW MEMBERS

Program of Skits and Acts in
Coming Production to
be Announced

Tech Show of '29 will be launched
at the annual smoker in North Hall,
Walker Memorial at 8 o'clock Thurs-
day for all students interested. A
tentative program of events in the
coming show will be announced, as
well as an outline of skits and acts
that have been received to date by
the management.

After the regular program, data and
suggestion for linking the specialties
together in order to obtain continuity
will be discussed. Cast calls will be
issued immediately after the meeting
and it is expected that rehearsals will
start during the following week on all
parts of the show.

Any men with talent or specialty
acts such as singing, dancing, playing
who have not already signified their
intention of joining the troupe should
report to the management sometime
before the smoker takes place. Skits
will be called in Monday at the final
meeting before the smoker. This is
to give an opportunity for reading
and arranging them so that they may
be presented to the gathering Thurs-
day.

There are a few vacancies in the
business and publicity departments
open to Sophomores. Those men who
wish to join this branch of the work
should report at the office, 301 Walk-
er.

CALENDAR

Friday, Oct. 19

5:00—T.C.A. Meeting, Faculty Dining
Room, Walker.

Monday, Oct. 22

12:00—Deadline for Freshman Sports
Sign-ups, Room 335, Walker.
5:00—Meeting Camera Club, Room
3-270.

Wednesday, Oct. 25

6:00—Annual Freshman Camp Re-
union, Faculty Dining Room.

Thursday, Oct. 25

8:00—Tech Show Smoker, North Hall,
Walker.

Record

BOISTEROUS MO HINDER

Many Technology M Speech at Ara Monday

Many in the happy ed for at least an glimpse of Mr. Hoov had needlessly "cut" es, for it was after on the presidential candid A crowd of Techn who can wait patient does not seem to exist, passed was hailed as gasoline truck that tr denly began to spray some enterprising peer attempted to exam of the tank. A cake, light refreshments for lucky enough to be signs were taken off, attempted to go thro oughly Republican ce seemed to be having whether Mr. Hoover a A Boston University stopped but no serious

One truck driver, than the average, sum courage to climb off try to catch several of in his attempt he r truck only to find th in his absence.

Traffic was held up minutes while he tric ine started. The len quired was greatly in fact that continual adv into his ear by the b some unknown reason, not seem to take very advice due possibly to didn't understand that coming from engineer

Politics again playe part when several pro to give their classes a Hoover. It is almost tell how the instruct vote this year.

BABSON WILL ON FORTUN

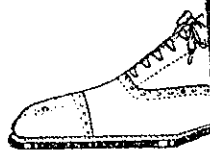
(Continued from

damentals of Prosper lition and Business."

During the war Mr. as Director-general c and Education under ernment appointment. ficial in many banks and officer in severa He is a term member tion of the Institute : His term expires in 19:

When asked if he devilment that Mr. Ba mixed up in as a boy Ford, bursar, said, "H older than I, so I did n chance to check up on h he did teach Sunday Sc his class and I will not is the reason that I ha to Sunday school sinc though, he was not jus day school teacher b miles. He has a diffi view. There was seldor ing from class. H himself to the pres succeeded in makir ing."

FRANK BR
Fifth Avenue
Between 42th and 43th



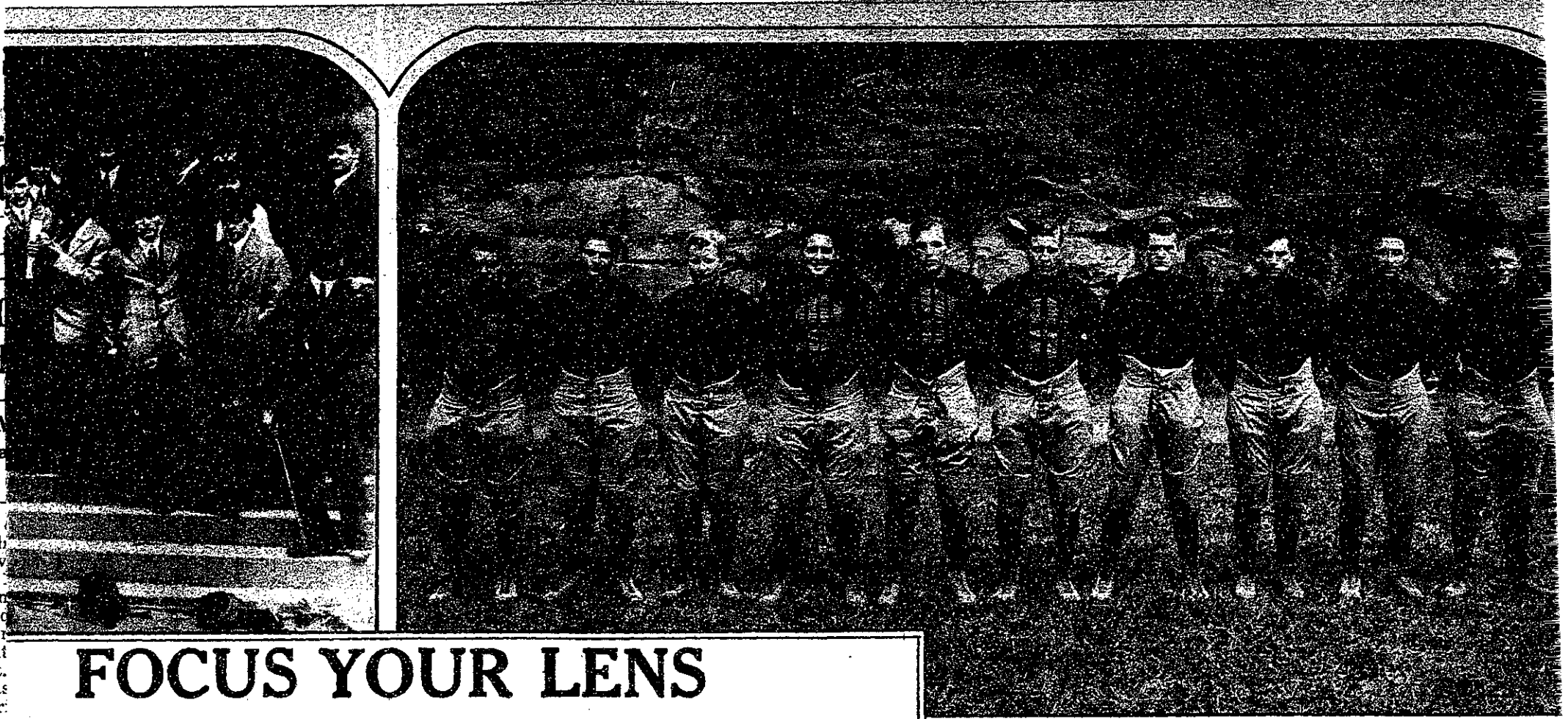
Cambridge
252 Abbott Bldg.,



A perennial favorite people and one of

LEO REISMAN'S OI
from 6:30 to 2 A. m.

**HOTEL BRUNSWICK
EGYPTIAN ROOM**



FOCUS YOUR LENS

ur readers with the latest and best photographs of college activities, me help from every student, and of course are willing to pay for this

photographs hot from the campus. We want unconventional and pictures—the kind that can come only from students.

pay for every photograph used. Blow the dust off your camera and

photographs to the Editor.



ose Your Shoes. All ready for the annual shoe rush at the University of Cincinnati, shoes belong to the freshmen. The paddles belong to the upper classmen. The paddles be used ad libitum until each freshman finds and puts on his own shoes. Woe befalls luckless "frosh" who fails to find and don his shoes with alacrity.

(Edwin K. Levi)



"Twas a Dark and Stormy Night! Here's a gloomy view of the "Deep Dark Mystery Club" of the University of Oklahoma at Norman. The bareback rider in the center is probably not enjoying himself at this instant—but, on the other hand, he may be having the time of his young life—it's hard to tell about such things.

(Pacific and Arlantic)



The Smartest Coat of the Season

THE NEW ALLIGATOR AVIATION MODEL

THE new Alligator Aviation model breezes into the Fall season with all the freshness of a crisp autumn day. Alligator has gone far beyond prevailing standards of swagger appearance, fine tailoring and distinctive design. The famous Alligator line includes a wide range

There are still about two thousand checks that their owners have not claimed as yet. The checks vary greatly in size. The smallest check is for three cents and the largest is for one hundred and eighteen dollars.

The policies of the V1-A news for the coming term will be decided upon, and the entire news staff will be elected. The hour and room will be posted on the V1-A bulletin board in the second floor corridor of building 10.

\$7.50 to \$25

Third Floor—The Store for Men

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Frank Fahnestock
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Howard S. Gardner
John M. Hanley
Edgar M. Hawkins, Jr.
James B. Holden
D. Tullis Houston
Bryant F. Kenney
Edwin M. Kingsley
Charles C. Ladd
Frederick A. Ladd, Jr.
Thomas A. MacLaren

Morrell Marean
Warren H. Martell
Sanford A. Moss, Jr.
Robert Phelan
Horace B. Preble
Joseph E. Rehler
Philip J. Riley
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HELICOPTER IS NEEDED

Roger W. Babson '98, the world-famous statistician, spoke at the Faculty Club luncheon at 12 o'clock and to the students assembled in Room 10-250 at 4 o'clock on "Forty-nine Ways to Make a Million." Mr. Babson spoke under the auspices of the Technology Christian Association.

In his afternoon address Mr. Babson stressed the Christian aspect of education, saying that education is only a tool to be used according to the ideals and motives of the individual—according to the religion of the individual. With this conception of education in mind, he praised the new course in Humanities and the work of the T. C. A.

With his introduction, Mr. Babson said that his speech might better be entitled "Opportunities for Young Men." In answer to the often-asked question as to whether there were less opportunity today than at the beginning of the century, he said, "Opportunities for young men are far greater now than when I graduated in 1898. Whether a person succeed or (Continued on Page four)

PLAN SMOKER FOR TECH SHOW MEMBERS

Program of Skits and Acts in
Coming Production to
be Announced

Tech Show of '29 will be launched at the annual smoker in North Hall, Walker Memorial at 8 o'clock Thursday for all students interested. A tentative program of events in the coming show will be announced, as well as an outline of skits and acts that have been received to date by the management.

After the regular program, data and suggestion for linking the specialties together in order to obtain continuity will be discussed. Cast calls will be issued immediately after the meeting and it is expected that rehearsals will start during the following week on all parts of the show.

Any men with talent or specialty acts such as singing, dancing, playing who have not already signified their intention of joining the troupe should report to the management sometime before the smoker takes place. Skits will be called in Monday at the final meeting before the smoker. This is to give an opportunity for reading and arranging them so that they may be presented to the gathering Thursday.

There are a few vacancies in the business and publicity departments open to Sophomores. Those men who wish to join this branch of the work should report at the office, 301 Walker.

CALENDAR

Friday, Oct. 19
5:00—T.C.A. Meeting, Faculty Dining Room, Walker.
Monday, Oct. 22
12:00—Deadline for Freshman Sports Sign-ups, Room 335, Walker.
5:00—Meeting Camera Club, Room 3-270.
Wednesday, Oct. 25
6:00—Annual Freshman Camp Reunion, Faculty Dining Room.
Thursday, Oct. 25
8:00—Tech Show Smoker, North Hall, Walker.

A Record of
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for 47 years.



Official News
Organ of the
Undergraduates
of M. I. T.

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PACIFISTIC SMOKE

IS the student R. O. T. C. movement in the United States doomed to failure? Are the anti-war reactions which set in after "the recent unpleasantness", as the British express it, going to make this a country of complete pacifists, or are the military factions going to emulate in our educational institutions the European system of enforced military training for everyone?

On one side of this pregnant question, there has been issued a news release entitled "Snappy Uniforms Sell College R. O. T. C." by the Committee on Militarism in Education, in New York. According to this source, the Army's recent action which supplies merely the service uniforms to the students in the reserve corps has been the cause of a great deal of concern to heads of educational institutions throughout the United States. Captain Charles C. Quigley, who presented the R. O. T. C. estimates to Congress, said, "They are having a very difficult time to continue the R. O. T. C. in many institutions under the present uniform standard. A number of heads of institutions have made trips to Washington to interview the Secretary of War on this matter and they are emphatic in their insistence that there must be some remedy for this condition."

Notably were presidents of western universities quoted, and typical of these statements is that of the President of the University of Minnesota, who said, "We shall regret it if nothing can be done. It will mean a reduction in registration, a loss of interest in the work, and it will contribute to a lowering of the prestige of the military department."

We are inclined to take all this propaganda "with a grain of salt". Judging from the Institute experience, the R. O. T. C. is performing an admirable function both in training the students in defensive tactics, and in giving them healthful exercise. While it is rather certain that some of the student officers are acutely conscious of the appearance they make in their trim regalia, spurs jangling as they walk down the corridors, we heartily doubt that their uniforms are the only incentive they have for taking the courses. As one authority expressed it, "Uniforms which were good enough for the dough-boys to die in are surely fit for the students to drill in."

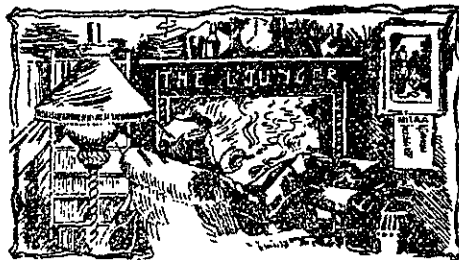
Efficiently well-managed as the units are, we see no reason for sounding the death-knell of the R. O. T. C., nor for feeling concern that militaristic ideas will monopolize our curricula. There may be some fire in all this pacifistic smoke, but it hardly seems worthy of much consideration.

A JAM FOR "SAFETY'S SAKE"

RATHER hard on the poor Tech men who have been running on their own state licenses and registrations (if any) was the Police Department's action in this state wide Safety Campaign. Not only was traffic on the Harvard Bridge held up interminably, but at the end one came to the embarrassing questioner, who queried in no uncertain fashion, "Where's your license and registration?" They were rather lenient with transgressors, but it is understood that they will take action the next time.

We are hardly in a position to comment on the efficiency of the Cambridge Police Force. However, we would humbly suggest that their activity be devoted more towards means of handling the big number of automobiles expeditiously, than seeing that each driver has remembered to put in his pocket his proper credentials. Anyone who has been subjected to the delay and inconvenience which every driver suffers who attempts to cross the Harvard Bridge during the rush hours will agree that the present system is totally inadequate. Any of the Institute's budding engineers will gain the undying gratitude of the motorist if he will devise a system for better taking care of the present problem.

The students here are very lax about using their out-of-state number plates far beyond the legal time limit. Non-observance of this regulation cannot but be punished. When Minnesota or Texas cars run around the Institute until they are put away for the winter, their owners most assuredly will suffer the consequences. But in the present situation, we feel that the police could have chosen a time more opportune for their investigation. Professors have cultivated to the nth degree the art of giving dirty looks to tardy class members, and they had ample opportunity yesterday morning.



Something very very fishy about this latest contribution to the Lounger's hope chest. He thought Tillie was about as low as a coed could be, but here's something more femininely dainty and insipid than even Tillie could be, with all her summer camp training.

The Lounger has only one request to make of his readers; if anyone happens to meet this Young Hopeful, kill him, choke him, spoil him generally—so even his mama couldn't tell him. He says he wants to be a father; is it possible!

Dear Lounger:

Can you tell me what is a "Brown Bagger?" I am a Freshman at the Institute and I don't quite know what is expected of me. I study four or five hours every night, and still find it hard to cover all the references given in the text-books and by the instructors.

The fraternities here are very interesting. I have been to two of them to lunch all this first month too; was asked to dinner but I was afraid I would not get my studying done if I didn't get right home after school and they treated me very well. I wish I could ask some of them home so they would ask me out again sometime. Frat-clubs are nice except that most of the fellows smoke cigarettes.

And the girl students here at the Institute are so sensible! I asked one of them to go to see the exhibits at the Museum of Fine Arts, and she immediately said she knew of the loveliest restaurant we could go to afterwards, the Brunswick or some place like that, I think she said. Is that a good restaurant? She said that she had heard there was a good show at a theatre named The Shubert in Boston, which was very educational, and from what she said I guess maybe we'll take that in to. The poor girl works hard all week at the Institute, and she needs someone to be a father to her. She said so herself. After all, I don't believe the Museum will be open when we want to go, and it would be hard to see this moving picture or whatever it is at the Shubert on the same day.

If she should want to see me very often, like she says, I don't know when I'll get all my studying done. And that reminds me, yesterday one of my instructors said that he had been marking us easily so far, but that he was going to mark us harder from now on, and so I'd better start right in studying. Examinations are only twelve more weeks away.

Yours respectfully,
Hopeful Freshman

Purdue may be capable of combining engineering and agriculture on one campus, but long has the Lounger prayed for salvation from this curse of national technical education. Yet here the Major has condemned any number of choice gravel tennis courts in the rear of Walker with apparently the sole object of developing some of these ultra-modern chicken pastures. Nice enough for the potential egg-throwers the dorms would be sure to unearth, and nice enough for those optimists who still think they can get fresh eggs at Walker, but there'll be hell to pay if the world begins to call the Institute the M. I. T. Aggies, all on account of that miniature hen ranch the Major is experimenting with.

Guess the school can tell pretty well the way all the profs who had twelve o'clocks last Monday will vote. The applied instructors take the berries; Papa Hayward didn't even know Hoover was in Boston.

Has the "rotter" come back with Sneaker Joe's problem assignments?

The Lounger notices that Technique is going to expect more in the future from its stenographical staff. Kay Dennison complained so often that she couldn't work in such a dirty place, that the board finally took her seriously and are having all new flowers put on the walls.

How come the second Jayvees beat the Varsity yesterday?

NOTICE

CAMERA CLUB

There will be a meeting of the Camera Club, at 5 o'clock, on Monday evening, October 22, in Room 3-270. All interested are cordially invited.

True Collegiate Religion Apparent Only in Ritual of Football Stadium

Writer Sees Major Scholastic Sports as Octopus in College Life

Harvard University's receipts from football in 1924 amounted to more than a million dollars, of which nearly \$300,000 was spent on various inter-collegiate teams, traveling expenses, coaches, rubbers, trainers, doctors, uniforms, and supplies. In the same year, according to a report to the National Collegiate Association by Prof. Thomas E. French, of Ohio State University, Ohio spent \$13,000 for intramural athletics, and \$127,017 for a \$1,600,000 stadium.

And this proportionate expenditure is by no means unusual, says John R. Tunis, in the current Harper's Magazine out today. "During the same year Stanford University's athletic receipts were \$194,000, and after paying for a football stadium, a basketball stadium, team expenses and equipment, it spent the generous sum of \$7,500 on intramural sport," he states.

"When a college spends \$74,000 for coaches, \$5,000 for rubbers, and \$6,000 for medical services in one short season of two months, it might appear that intramural athletics would be likely to receive less than their share from the remainder. Strong and powerful as is the Great God Football, signs are not wanting to show that American college undergraduates are beginning to doubt its divinity.

"Intense class feeling began to die out years ago. Classes today are far too large in the great universities to permit of much class feeling or class loyalty being shown. The feeling so wrongly called 'college spirit' is losing ground in many of the large educational institutions throughout the country."

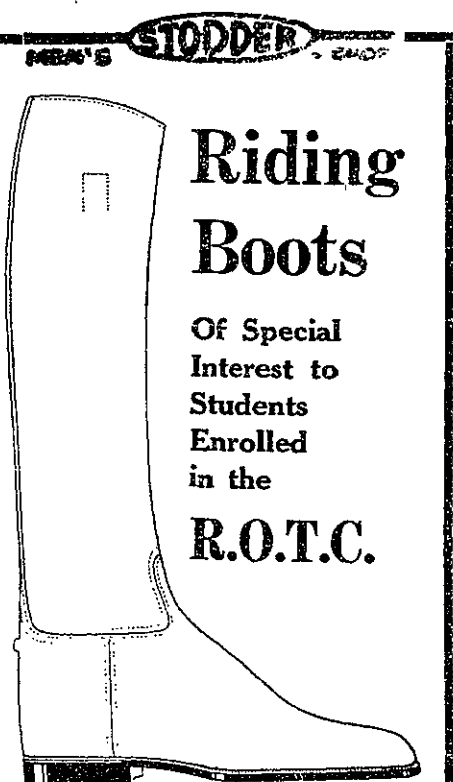
Seventeen per cent of the men and twenty-eight per cent of the women at the University of Chicago attended no football games during the recent season, according to the 1925 report of the Faculty-Student Committee on the Distribution of Students' Time, to which Mr. Tunis refers. "If so many students had been absent from a football game twenty years ago the situation would have called for a football revival meeting."

"To the sports follower football is more than merely a game, it is a religion. It might almost be called our national religion. Dean Willard Sperry, of the Harvard Theological School, said that the only true religious spirit to be discerned among large bodies of undergraduates today, is in the football stadium. So fundamental is the craving of man for ritual in one form or another, one college president said, that when churches do away with ritual it springs up in other and most unlikely places. Ritual has so prevailed football that it is fixed and standardized from Maine to California.

"There are almost as many football officials as players upon the field, and

they are handpicked for each game by a High Commissioner who receives a salary of ten thousand dollars for the job; a job which does not appear to be working out over well. Last season more than three thousand dollars was spent for spies to watch the officials and report upon their fairness and the quality of their officiating. This fall there is talk of spies being set to watch the spies at an additional cost of three thousand dollars.

"Colleges are waking up to realize that what they have on their hands is a first-class octopus which is strangling many of the legitimate pursuits of the educational institution. In most American colleges there are two factions; football and anti-football. The football faction is well organized, powerful, articulate, embracing most of the students, the athletic directors, their staffs, many of the influential graduates and members of the board of trustees, and occasionally even the president himself. There is no denying the fact that a winning football eleven is a great help to the president of every college. After winning everybody is in such a good humor that things run smoothly and quietly among students and professors.



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HARRIERS MEET HOLY CROSS TODAY

ENGINEER BOOTERS BATTLE DARTMOUTH AT HANOVER

Cardinal and Gray Teams Primed for Race With Purple

Preparations for the first cross country meet of the season have made the track house a scene of great activity during the last few days. A good workout at Tufts last Wednesday was followed by two days of fairly easy work, so that the men are now in top-notch condition for today's meet with Holy Cross at Franklin Park.

The meet will start at 3.30 this afternoon, and both the Varsity and freshman teams will be there to compete against their first real opponents of this year. Coach Hedlund has entered as many men as possible so that every one will have a chance to show his ability in competition.

Mitchell Out of Race

The Varsity will be handicapped by the loss of Mitchell, who will not run because of injuries. There will be some one to fill his shoes, however, and the chances of an M. I. T. win are far from poor.

The Varsity men entered are Captain Worthen, Berry, DeFazio, Herbert, Thorsen, Baltzer, McNiff, Albright, Blackwood, and McSheehy. Most of these men have had at least one year of experience in cross country, and have run good races for the Institute in the past.

The freshman entries are Conant, Jewett, Gilman, Littlefield, Morin, Lawson, Fleming, Green, Krugel, Medkiff, Fitzpatrick, and Camerlingo. Many of these boys have also had experience in distance running, and the team this year is exceptionally good.

Monday Last Day for Frosh Sport Sign-Ups

Monday at twelve o'clock is the deadline for freshmen who wish to sign up for a sport in place of P. T., commonly called "Monkey Drill." To date 202 freshmen have signed up for some sport or another, track leading the list with 60 men.

Track	60
Crew	41
Basketball	26
Swimming	22
Boxing	20
Fencing	18
Wrestling	8
Gym Team	7
Total	202

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A DISCUSSION

led by
LESLIE JOHN ADKINS
at the

OLD SOUTH CHURCH

Parish House, Copley Square, Boston
Sunday, October 21, 1928

5:30 Social Hour and Supper.

6:30 Discussion Meeting.

Jayvee Crew Takes Early Morning Dip

nology boat has never been sunk but that tradition will have to be modified after an incident of yesterday morning. The Jayvees are responsible for this modification. Through a misunderstanding of the orders issued by the cox, the shell was sunk and the crew, except the fortunate cox, were thrown into the chilly Charles. The cox had said, "Starboard out, and port hold it," but for some unknown reason, nobody held it and as a result everybody got a cold bath. Anyone who doesn't believe that the Charles is chilly in the middle of October should experience an unexpected dip at 7 o'clock in the morning and his opinion will suddenly change," according to the Jayvees eight.

BOTH FIELD DAY CREWS IMPROVING

Last Year's Frosh Field Day Crew Ineligible for Competition in This Year's Race

Both Field Day crews are rapidly rounding into shape for their annual battle on November second. Competition for places in both shells is very keen and the line-ups from day to day are still uncertain. Due to the fact that no men from last year's first freshman crew are eligible to compete in Field Day this fall as members of the Sophomore crew, the second year boat will be composed of men from last year's 150-pound freshman squad. The freshman boat will be picked from a much larger squad as the attendance of the first year men at the boathouse this fall overshadows all previous records by a considerable margin; six first year crews row each morning from the boathouse.

The Sophomore crew has been on the water since the first call was issued three weeks ago. Aided by the experience that they received last year, the crew has made rapid progress this fall. The crew is being coached by Cedric Valentine who had charge of them last spring as 150-pound freshmen. In their daily workouts with the 150-pound Varsity they are showing an increased amount of form and power in their rowing and on several occasions have left the Varsity crew behind in short spurts. The crew is rowing very smoothly together and they have the big advantage over the freshmen of a year's experience in the shells.

Swimming Starts Off With a Bang

Coaches Enthusiatic Over Team's Chances for Successful Tank Season

With more than twice as many enthusiasts than have ever turned out before, the Swimming coaches opened the season with a mass meeting of Varsity and freshman candidates last Wednesday evening. The meeting was particularly marked by the large number of yearling men who turned out to listen to Coaches Brown and Dean announce this year's plans. Captain Luey also said a few words on the coming season. The hardest and most attractive schedule ever undertaken was made public. From the time that the Varsity natators meet Amherst in January until the New England Intercollegiate Swimming Meet to be held here in March, the Institute team will have all it can do to defeat its rivals. Some of the teams to be met include Rensselaer, Columbia, West Point, Worcester Tech, Brown, and Wesleyan. However, with Captain Luey, Birnbaum, Appleton, Jarosh, and Torchio around which to build the team, a most successful season is predicted.

The team is unusually well balanced this year. Luey is the holder of the New England backstroke record, and there is no lack of promising material from last year's Frosh team. There is one man especially from last season's freshman team who should make good as a diver. Other events are also well represented on the team.

Cardinal and Gray Expect To Win as Huskies Easily Defeated Green Team 4 to 0

Dartmouth and Technology will battle for soccer supremacy up at Hanover tomorrow afternoon. A hard and fast battle is expected as the big Green team will have the advantage of their own field and will be out to make up for the defeat that Northeastern handed them several weeks ago.

On the other hand the Engineers will be out to keep up the good work they started when they handed the Huskies a trimming a week ago. Dartmouth will be one of the hardest game remaining on the schedule; therefore the Cardinal and Gray are out to do their best to come through with a victory.

Line-up to be Intact

Coach Welch expects to use the same line-up that he used against Northeastern. The team ought to be quite a bit better than they were in (Continued on Page four)

First Handicap Meet Tomorrow

Relative Ability of Entrants in Saturday's Handicap Uncertain

Hard work has been the password at the trackhouse these last few days as the entrants for the Saturday Handicap round into shape. As a result, improvement in the freshmen squad has been very noticeable, consequently the Sophomores have a real job on their hands.

Among the freshman squad those who will start as low mark men are Wayne, Lynch, Beck, and James. They are all men of experience and are expected to make a fine showing, having all the fire that is characteristic of a freshmen team that have yet been bored by the trials of a trackman, commonly known as training rules.

In the ranks of the Sophomores, Steverman, Olerman, Broeder, Ayers, and Leadbetter will be low mark men. As they are all experienced trackmen they will have more than good chances of taking many of the events, but will have to work hard to win them, if the freshmen have anything to say about it.

Many of the older men will probably get handicaps that are too great for them, as the relative ability of the different men competing is very vague. This is a difficulty that always manifests itself at the beginning of a track season, but it will indicate the condition of the men for the relay trials which come off Monday, Tuesday, and Wednesday.

FRESHMAN GRIDSTERS PLAY AT TUFTS TODAY

Greatly Improved Team Out for Victory This Afternoon

Strengthened by a score of new recruits and well-organized coaching, the freshman football team expects to make a fine showing against the Tufts College freshman team this afternoon at Tufts Oval.

Much improvement has been seen in the team this week. More than twenty new men have turned out for practice since the call for more players was made at the freshman meeting Monday. The Junior class has helped by supplying a coaching staff. Lack of coaching was handicapping the team and much better work has been done since Hugh Wallace and John Scheuren took the matter in hand and gave the freshmen some real training.

Reports are that Tufts freshmen are in good shape, and a hard scrimmage is expected. But the team is confident of its new-found strength and hopes to bring home the victory.

Captain Joe Paul has several former high and prep school stars in the line and backfield and with such a large number of volunteers to choose from expects to develop a team of uniform high quality. Early prospects for a victory on Field Day are very favorable, and this hope has given impetus to the training for all the other Field Day events.

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Saturday, October 20

HARVARD-ARMY GAME (At Cambridge)

Running Story and Statistics
By George Carens
Sidelights
By A. Linde Fowler

BATES vs. BOSTON UNIV.
(At Riverside)
By H. R. Radcliffe

TUFTS vs. BOWDOIN
(At Brunswick, Me.)
By Austin Lake

Stories and Scores
BROWN-YALE
COLUMBIA-DARTMOUTH
PRINCETON-LEHIGH
FORDHAM-HOLY CROSS
CONTESTS

School Games
Accounts and Scores

WORCESTER ACAD. vs.
HARVARD FRESH.
(At Cambridge)
EXETER vs. YALE FRESH.
(At New Haven)
MILTON at ST. MARK'S
HAVERHILL at MEDFORD
EVERETT at BROOKLINE
FITCHBURG at WALTHAM
DEAN at ANDOVER
LYNN CLASS. at MALDEN
CAMP. LATIN at
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2. Discovering new sources of power,—from the sun, the tides, and the heat of the earth.
3. Inventing a helicopter which can be universally used by aeroplanes.
4. Rebuilding our cities in accordance with the needs of the automobile.
5. Harnessing the new electrical short waves.
6. Manufacturing synthetic foods, metals and woods.
7. Providing cooling systems as well as heating systems for stores, hotels and apartment houses.
8. Developing true mass production by the elimination of such processes as weaving.
9. Consolidating the gasoline filling stations of your city in one company, interconnecting them with a pipe line to eliminate tank trucks and then keep the price so low that further competition will be impossible.
10. Aiding parents to bequeath character, energy and experience to their children as well as stocks, bonds and mortgages.
11. Developing a new system of municipal time with clocks and watches to run by radio.
12. Manufacturing books which talk and which are illustrated by moving pictures.
13. Eliminating the necessity of shipping coal by reducing the cost of transmitting electricity. Then it will be practical to develop all electricity at the mines.
14. Manufacturing and leasing noiseless street cars.
15. Discovering a cheap method to build subways in our smaller cities, which can be laid in the form of precast pipe.
16. Inventing a machine to automatically translate languages.
17. Constructing automatic garages, only by which the present parking problem will be solved.
18. Installing in our large buildings "elevators" which go horizontally.
19. Making an attachment for our telephone, by which we may see as well as hear.
20. Cold Light;—that is, an electric lamp which throws out no heat, but uses all the current for making light.
21. Making artificial rain, thus eliminating the necessity for irrigation.
22. Discovering a light that will pierce fog.
23. Making paper out of grasses and the other by-products and waste materials of our farms.
24. Making glass that is flexible, unbreakable and bullet-proof.
25. Changing oak, birch and other hard woods into mahogany by inoculation.
26. Automatically locating fish in the ocean and minerals, oil, etc., in

the ground, so that no time nor money need be lost on prospecting.

27. Discovering means of changing plant life so that potatoes will be as large as squashes and tomatoes may be raised in a week.

28. Developing a mechanical man which will think and figure correctly.

29. Making a glider for boys which will be as safe as a bicycle.

30. Making transparent metals of stainless nature which can be sold as cheap as present metals.

31. Discovering new methods of preserving wood, including the elimination of decay as well as of rust.

32. Installing radios in churches to supplement mediocre preachers.

33. Promoting farming under paper and other radical agricultural discoveries.

34. Developing a weighing machine which will count.

35. Making fountain pens that will write in two or three colors.

36. Manufacturing fertilizer in the form of toxin and pills.

37. Designing a phonograph which will dispense real electrical music.

38. Demonstrating that fires should be extinguished with gun powder, instead of water.

39. Forecasting weather changes some weeks in advance in an absolutely correct manner.

40. Operating a chain of automatic stores using vending machines entirely.

41. Applying the diesel engine to automobiles and other machines now consuming gasoline.

42. Producing a new automobile which will use a rotary engine, go sideways as well as forward and backward, and be gearless.

43. Discovering new uses for radio, other than for transmitting sound.

44. Showing the world how to use water for fuel.

45. Harnessing the Northern Lights and other natural phenomenon which are not now used.

46. Discovering new sources of radium so that it can be sold at a reasonable price.

47. Discovering new uses for the Cosmic Rays and a practical and safe method of using them in the home.

48. Manufacturing a tooth powder which will prevent decay of teeth.

49. Regulating the intellect, emotions and physical characteristics by gland treatment.

50. Harnessing spiritual power as physical powers have been harnessed.

HARVARD JUNIORS BEAT SOPHOMORES

Crimson Wins 13-6, Technology Making Goal in Third Period on Pass

Harvard Juniors defeated the M. I. T. second year men 13-6 at Harvard. Harvard kicked off and rushed Technology until Wheeler pushed through for a touchdown. The Crimson scored again in the second quarter on an end run by Leonard. Baxter scored the Institute's only goal. The game was nip and tuck after Technology scored. There were four 10-minute periods. The next game of the Sophomores will be at Newport with the Newport Training School.

Harvard	M. I. T.
Wylie	R. E. Moody
Whitney	R. T. Lykes
Moser	R. G. Heir
Dreyher	L. G. Snow
Sibley	L. T. Kany
Frothingham	L. E. DeMars
Brinbrong	Q. Orr
Wheeler	R. H. Lammeritti
Hunter	L. M. Baxter
Leonard	F. McMinn
Brinkley	C. Grondao

ANNOUNCE AWARD OF CABOT DECORATIONS

Presents Medals to Five Men of 1927-8 Freshman Class

Awards of the Cabot Medals for the year 1927-28 were decided upon at a meeting of the Executive Committee of the M. I. T. A. held in Walker on Monday. These medals are awarded each year to the five men in the freshmen physical training class who show the greatest improvement in physical development during the year.

James B. Fish, '31, Benjamin P. Hazeltine, '31, Plato A. Spiliotis, '31, Matthew D. Sullivan, '31, and Leonard S. Terwilliger, '31, were awarded the decorations for this year.

These medals are the gift of the late Samuel Cabot, '70, who was a member of the Corporation for several years. The men are measured at beginning of the term and again at the end of the term. Those persons showing the greatest development are given the medals, which are made of bronze.

Students Enjoy Geology Trip to Green Mountains

New Hampshire and Vermont Mines and Quarries Visited Last Week-End

"Chug! Chug!" The little Ford backed bravely up the steep hill, preceded by the Auburn towing the Chevrolet. Thus the party of students and professors of the geology department proceeded slowly up the Green Mountains. They report that the field trip was well worth the trouble, for much of geologic as well as general interest was seen.

Twelve students and the two professors left Cambridge, Thursday afternoon, October 11th, in the aforementioned three automobiles to visit the granite, marble and feldspar quarries, and talc, garnet and mica mines of New Hampshire and Vermont. The first stop was at the feldspar quarry of the Golding-Keene Company near Gilsun, N. H., where feldspar used in the manufacture of ceramic products is produced on a large scale.

A quick run was then made to Proctor, Vt. For the next twenty-four hours the party was entertained by officials of the Vermont Marble Company, whose only concern, according to the visitors, seemed to be one in making the visit as complete and interesting as possible. Several marble quarries were visited and the party was taken through the mills and shops at Proctor, West Rutland, and Center Rutland.

Marble Workings Beautiful

"The natural beauty of the underground workings in those marble quarries was awe-inspiring," according to one of the men who made the trip. "We had entered this great room slightly above the floor level, a room hewn out of the solid marble. Except for the fact that there were no colored glass windows, the place might have been a cathedral. Into the dimness two hundred feet above the walls towered, gleaming with dampness which brought out very clearly the beautiful color effects of the rocks. The roof was supported by natural pillars of marble, left standing by the quarrymen."

The granite quarry of the Woodbury Granite Company near Bethel, Vt., offered much of geological interest, as did the mica mines on Eisenglass Mountain, near Grafton, N. H., and the garnet mines near South Danbury, N. H.

Find Camping Cold

In order to make the trip approximate a regular geological excursion, the party camped outdoors each night. But blankets were much in demand, for the men found that they had left behind in Boston any semblance of warm weather. Sleeping on ground which was frozen hard was quite different from the beds they were used to, the men say, but by crowding close to a roaring open fire, they managed to come through the outings with at least no severe attacks of pneumonia.

This coming week-end, another field trip of great interest is planned. A large number of the students have already signed up for the trip, which will be in charge of Professor W. H. Newhouse. The party are to visit the Milan Mine, in northern New Hampshire.

MACHINE TOOL LAB HAS NEW EQUIPMENT

Instruments for Very Precise Measurements Installed

Several valuable additions have been added to the equipment of the Machine Tool Laboratory during the past year. These include a power press equipped with an automatic feed and a conveyor which receives the work and delivers it to a box, thereby making it unnecessary to reach under the press, and so reducing the possibility of injury to the operator.

There have also been added a High Speed Metal Cutting Machine, a Recording Scleroscope for measuring hardness, a Toolmakers' Microscope for very precise measurements, and an automatic Balopticon for continuous projection of lantern slides.

Two grinding machines have been remodeled and are now motor driven. A new interferometer for measuring the deflection of a steel bar has also been built. These new installations have been attracting considerable attention, and those interested are invited to come into the laboratory and look them over.

In the interests of the courses in Production Methods and Manufacturing Processes, Professor Robert H. Smith of the Department visited many of the manufacturing plants in Philadelphia and vicinity in October and also attended the National Metal Exposition.

Noted Statistics Expert Talks To Technology Men

Predicts, Rubber Wheeled Train Cars to Diminish City Noise and Din

(Continued from Page One)

fail depends entirely upon the individual. I divide men into two classes—self-starters and those who have to be wound up. The former are the "go-getters"—the business successes of the world—and the latter always remain employees."

Mr. Babson stated that he was once commissioned by Mr. Curtiss to survey the various industries, and to find an industry that was really basic but which was not making money. He went about collecting the data of this survey, and arrived at the conclusion that there was not a single one of the fundamental industries in which someone somewhere was not making a fortune.

Mr. Babson's Scotch secretary prepared a list of fifty ways of making a million, but the very first one on the list was "showing business men how to increase their profits by the use of statistics" and this field is occupied by the Babson Organization. The secretary, being a very thrifty fellow, decided that the lecture should deal only with the remaining forty-nine ways.

About half of these projects are for the reduction of physical labor and not mental labor. There are many sources of power yet untapped—the tides, the sun, the earth's interior, subatomic energy, the varying displacement of ships in harbors, and many others. New modes of transportation are yet to be devised. Aeroplane transportation will never be general until the helicopter principle is fully developed—thus solving the storage and parking problem. Mr. Babson visualized the future mode of air transportation as a string of airships coupled together.

There is great opportunity in "old-fashioned" electricity since a very small percentage of the people have availed themselves of the use of electricity for light, power, and refrigeration. The great opportunity will lie in high frequencies. It is a possibility that high-frequency currents will entirely supplant heating systems in houses. The field of synthetic foods offers great opportunity. In speaking with Mr. Edison, Mr. Babson asked the inventor what course he would take at Technology if he were young again. Edison replied, "Chemical Engineering," and shortly added, "But, thus far, we don't know nothin' about nuthin'."

After enumerating and commenting upon the numerous other ways of making a million, Mr. Babson concluded by stating that, after all, the great strides made during the next twenty-five years may not be made along mechanical lines, but along spiritual lines.

Mr. John Kingman Is Main Speaker At T.C.A. Rally

Work of Various Departments is Included on Program of Meeting

Letters have been sent out to about 200 freshmen who signified their interest in assisting in Scout Work, Boys Club work, teaching Sunday School or who are interested in the T. C. A., inviting them to attend a mass meeting in the Faculty Dining Room, today at 5 o'clock. Various branches of the T. C. A. will be discussed and the freshmen will be assisted in choosing a branch that will interest them.

Hugh Hamilton Jr., '29 will preside and will speak on the Handbook and the T. C. A. Blotter. M. Richard Boyer, '29 will talk on the office work of the T. C. A. Donald B. Hutchins, '31 will introduce Mr. John Kingman as the main speaker of the day. Mr. Kingman, who is Director of Lincoln House and Hale House, and prominent in boys work will tell of some of his experiences and ideas upon the subject; Lowell M. Moses, '30 will talk on conditions and the work of teaching in jail.

Any men who are interested in the work that the T. C. A. is accomplishing are cordially invited to attend the meeting. Persons who signified their interest in jail work are especially invited to attend.

TENNIS MANAGERS

Anyone interested in the position of Assistant Tennis Manager should report to Manager Wight in the A. A. office any afternoon after five.

Engineer Soccer Team Encounters Big Green Team

Lineup to be Practically the Same as that Used Against the Huskies

(Continued from Page 3)

the game with the Huskies as they are getting used to playing in their new positions. The backfield was well organized, being composed of veterans, but the forwards are more or less new in their positions.

Captain Fahey is new at the position of outside left, but he is getting used to it and will strengthen up this side of the forward line quite a bit. Kashemsanta, Baroudi, Saunders, and Vibul will also see action in the forward line.

Saunders Good as Forward

Saunders has played a good game at center forward as he is a fast man and gives the opposing team's backfield plenty to worry about. With a good passing combination, he ought to be able to drive in a large number of goals as the center forward seems to drive in more goals any other man on the team.

Dartmouth's chief tactics seem to be in forcing as many corner kicks as possible and then trusting that the kicker will drive the ball in front of the goal. It is unlikely that this plan of attack will work against the Engineers as their defense is pretty nearly air tight.

There do not appear to be any particular stars on the Green's team, but they have some pretty good team work. In the Northeastern game they pretty much relied on defensive work, but the Huskies easily broke through their defense to win the game 4-0. Their offense does not appear overly strong, but they have had several weeks practice since the game with the Huskies; therefore the game ought to be well worth watching.

OFFICIAL

The American Society for the testing of materials has established a grade of student membership and wishes to have this fact brought to the attention of Juniors, Seniors and graduate students. Membership in the Society supplements the courses pertaining to design and construction and use of engineering materials.

Any students wishing to take advantage of this opportunity should consult Professor H. W. Hayward or Professor I. H. Cowdrey.



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A.M.; Harvard-Army Supper
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